

02-119

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO. B. EXHIBIT /e C. CATEGORY: TESTING AND INSPECTION
TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM BASE METERING TUBE E. CONTRACT/PR NO. FD2020-03-21437 F. CONTRACTOR

1. DATA ITEM NO. A001 2. TITLE OF DATA ITEM TEST/INSPECTION REPORTS 3. SUBTITLE GOVERNMENT TESTING

17. PRICE GROUP

4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B/T 5. CONTRACT REFERENCE 6. REQUIRING OFFICE OO-ALC/TIELV

18. ESTIMATED TOTAL PRICE

7. DD 250 REQ DD 9. DIST STATEMENT REQUIRED D 10. FREQUENCY 1TIME 11. AS OF DATE N/A 12. DATE OF FIRST SUBMISSION BLK 16 13. DATE OF SUBSEQUENT SUBM. N/A 14. DISTRIBUTION a. ADDRESSEE b. COPIES final draft reg repr

16. REMARKS

(4) Contractor format acceptable. Paragraph 10.2 of DD Form 1664 is clarified as follows:
All dimensions and tolerances specified on the manufacturing data shall be listed in one column with the actual corresponding reading obtained from inspection of the part, listed in another column.
Materials utilized in the manufacture of "First Article" item shall be identified and certified along with a copy of material purchase requests as conforming to applicable data requirements.
Material processes including finish requirements (plating, heat treatment welding inspections, anodize, painting, etc.) utilized in the manufacture of the first article will be identified and certified as conforming to the applicable requirements. A copy of the purchase order certifying the processes accomplished at other than contractor facility shall be included.
Other requirements as called out on Engineering Data Requirement (AFLC Form 3720).
(9) DISTRIBUTION STATEMENT D: Distribution authorized to the Department of Defense and DOD contractors only (Critical Technology) (15 Sept 95). Other requests for this document shall be referred to OO-ALC/LIL.
(12) Submit concurrently with First Article.

OO-ALC/TIELV
7278 4TH STREET
BLDG 100, BAY D
HILL AFB UT
84056-5205
15. TOTAL -----> 0 1 0

FOB DESTINATION

G. PREPARED BY RAY BROWN LG00 DATA MGR H. DATE 26 SEP 02 I. APPROVED BY BRYAN SMITH/LG00/CN J. DATE 26 SEP 02P

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Item B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as 'Provisioning', 'Configuration Management', etc.
- Item D. Enter name of system/item being acquired that data will
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g. Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

- Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.
 - a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.
 - b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.
 - c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.
 - d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.
- Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use data shall be governed by the pertinent provisions of the contract.

SOURCE QUALIFICATION REQUIREMENTS
(PL98-525, SECTION 2319)

STOCK NR (NSN)1620-00-123-3790

NOUN: Base Metering Tube MLG

PART NUMBER (P/N)4G13519-101A

AIRCRAFT: C-5

SECTION C

QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE:

1. Because of the need for uninterrupted item support to military aircraft systems while keeping with the requirements of PL 98-525, the current acquisition need not and generally will not be delayed to provide an offeror an opportunity to qualify. Normal acquisition practices at OO-ALC should preclude the denial of opportunity to any interested offeror.
2. The offeror must provide a pre-contract award qualification article, which meets the requirements of the engineering drawings, material specifications, and process specifications. However, successful completion of the qualification testing does not guarantee any contract award. If the offeror is deemed qualified and awarded the contract, a post-contract award first article exhibit may be required to verify production capability.
3. The qualification article will be subjected to form, fit, and function verification as well as required testing to assure compliance with data list and other applicable procurement criteria. The qualification article shall demonstrate full compatibility and comparability with existing parts.
4. The required materials will be procured from a qualified source and shall meet the requirements of their respective specifications. The offeror will assure that the supplier has accomplished this and shall submit certified documentation of accomplishment of the above requirements to the purchaser along with the pre-contract award qualification article.
5. The required forgings shall be procured from the qualified forging source using the original certified forging procedures and dies. Forging material and lot qualifications shall be accomplished as required in the specified forging drawing, P/N 4G13519-101A and specification MIL-F-7190. The offeror shall assure that this is or has been accomplished by the forging source and will submit certified documentation of accomplishment of the above requirements to the government along with the pre-contract award qualification article.
6. The qualification article once submitted will become subject to such testing as deemed necessary by the U.S. Government to prove that the article meets all dimensional, processing and functional requirements. Such testing may result in the destruction of the article. Following completion of necessary testing and evaluation, the article no matter what its condition shall be returned to the contractor or disposed of at his discretion and direction whether it was found acceptable or not.
7. Form verification: The U.S. Government's Quality Verification Center (QVC) will be used to insure compliance with the dimensional requirements of the article. Material and processing compliance will also be verified as required.
8. Fit/function verification: Existing components and government test stands and fixtures will be utilized to verify physical interface and functional performance of articles.
9. Testing for material and process compliance.
 - (a) Material analysis
 - (b) Heat treat
 - (c) Grinding
 - (d) Plating
 - (e) Finish
 - (f) Grain flow
 - (g) Other

SOURCE QUALIFICATION REQUIREMENTS
(PL98-525, SECTION 2319)

STOCK NR (NSN) 1620-00-123-3790
NOUN: Base Metering Tube MLG

PART NUMBER (P/N) 4G13519-101A
AIRCRAFT: C-5

10. Remarks:

- a. Organic verification capabilities exist at OO-ALC.
- b. Testing requirements outside organic capabilities will be contracted out.

11. The estimated cost of government testing and evaluation is \$2000.

12. Maximum time for testing of the qualification article will not exceed 30 days from receipt at testing agency.

SECTION D

QUALIFICATION WAIVER REQUIREMENTS.

1. An offerer who has had previous experience in the manufacture and qualification of items, which can be correlated with this product, may apply to the design control authority at OO-ALC for a waiver of the above stated qualification requirements.

a. The qualification waiver criteria utilized by the design control authority to perform a qualification analysis are available upon request. The qualification waiver criteria may be used as a guide in preparing the offerer's written input to the design control authority.

b. The burden of proof for written inputs is on the offerer. The design control authority will not pursue authenticity verification of claims made by the offerer of product manufacturing experience with other Government or non-Government agencies. Unsubstantiated claims will not be considered in the waiver analysis process.

c. This waiver will be granted if and only if the design control authority (LILE) can establish the qualifications of the offerer through the evaluation of written inputs from the offerer or from previous knowledge of the offerer's capabilities or from previous experience with the offerer on similar item acquisitions. If there is any doubt about the offerer's capability, the offerer will be required to submit a pre-qualification article. There is no guarantee of qualification by similarity. LILE reserves the right to require a pre-qualification article of all offerers.

2. The current acquisition need not and will not be delayed in order to provide an offerer with an opportunity to meet the requirements for qualification waiver.

3. Maximum time for approval of qualification by similarity will not exceed 15 days.

REV:	ENGINEERING DATA REQUIREMENTS (ATTACHMENT "A")	
NOTE: MILITARY SPECIFICATIONS I/STANDARDS WILL NOT BE FURNISHED IN THE BID SET.		
1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF <p style="text-align: center;">BASE, METERING TUBE - STRUT ASSY, MLG</p>		
2. PART NUMBER <p style="text-align: center;">4G13519-101A</p>	3. NATIONAL STOCK NUMBER <p style="text-align: center;">1620-00-123-3790</p>	
4. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED.		
5. MACHINE TO MEET THE REQUIREMENTS OF LAC 0701, IN LIEU OF DS 30003.		
6. IDENTIFICATION AND MARKING PER MIL-STD-130 IN LIEU OF STP 63-001, IMPRESSION STAMPING NOT PERMITTED.		
7. HEAT TREAT PER SAE AMS-H-6875 IN LIEU OF STP 54-019.		
8. PERFORM MAGNETIC PARTICLE INSPECTION PER ASTM E 1444 IN LIEU OF MIL-I-6868. USE FULL WAVE DIRECT CURRENT (FWDC), WET CONTINUOUS METHOD, FLUORESCENT TYPE WITH THE FOLLOWING ACCEPTANCE/REJECTION CRITERIA: NO DEFECTS ALLOWED. THE INTENT OF NO DEFECTS ALLOWED IS THAT THE INSPECTION IS CONDUCTED AT THE REQUIRED SENSITIVITY LEVEL AND THERE SHALL BE NO INDICATIONS ALLOWED. THE INSPECTOR PERFORMING THE INSPECTION SHALL BE CERTIFIED TO LEVEL II WITH THE INSPECTION PROCEDURE DEVELOPED BY A LEVEL III AS SPECIFIED IN NAS-410.		
9. THREADS PER MIL-S-8879, SAFETY CRITICAL.		
10. SHOT PEEN PER SAE AMS-S-13165 IN LIEU OF STP 51-501.		
11. USE MATERIAL SAE AMS 6411, SAE AMS 6427 IN LIEU OF STM 05-504.		
12. FINISH PER THE FOLLOWING IN LIEU OF DS 30000, FINISH CODES CC AND D. <div style="margin-left: 40px;"> A. CADMIUM TITANIUM PLATE PER MIL-STD-1500 OR SAE AMS 2419 TYPE II, CLASS 3. (CODE CC) B. CHROMIUM PLATE PER MIL-STD-1501, CLASS 1 TYPE I OR II. (CODE D) </div>		
13. FOR PARTS HEAT TREATED TO 180 KSI AND ABOVE, ANY SURFACE GROUND/MACHINED AFTER HEAT TREAT, SHALL BE INSPECTED FOR ABUSIVE GRINDING/MACHINING BURNS PER MIL-STD-867. GRINDING SHALL BE PER MIL-STD-866.		
14. AFTER CONTRACT AWARD, THE SUCCESSFUL BIDDER SHALL PROVIDE A COPY OF THE PROCESSING DOCUMENTATION (ROUTING DOCUMENTS AND PROCESS SPECIFICATIONS) TO LILE FOR FINAL REVIEW BEFORE PRODUCTION BEGINS.		
15. OO-ALC/LILE SYSTEM ENGINEERING RETAINS ALL RIGHTS TO REVIEW AND ACCEPT MATERIAL REVIEW BOARD (MRB'S) DISPOSITIONS PRIOR TO SHIPMENT OF DISCREPANT ITEM. ALL DEVIATIONS, MINOR AND MAJOR, FROM THE ENGINEERING DRAWING PACKAGE SHALL BE SUBMITTED FOR MRB DISPOSITION.		
PREPARED BY <p style="text-align: center;">CAROL HYER</p>	SYMBOL <p style="text-align: center;">LGMPM</p>	DATE <p style="text-align: center;">28 May 02</p>

REV:	ENGINEERING DATA REQUIREMENTS CONTINUATION SHEET (ATTACHMENT "A")	
PART NUMBER 4G13519-101A	NATIONAL STOCK NUMBER 1620-00-123-3790	
<p>16. PRIOR TO CONTRACT AWARD, THE CONTRACT SHALL CERTIFY TO THE GOVERNMENT IN WRITING FULL COMPLIANCE WITH MANUALS, SPECIFICATIONS, AND STANDARDS CALLED OUT AND REQUIRED FOR THE MANUFACTURE OF THIS CONTRACTED LANDING GEAR COMPONENT/ASSEMBLY. CONTRACTOR IS RESPONSIBLE TO COMPLETELY SEARCH THESE MANUALS, SPECIFICATIONS, AND STANDARDS AND FULLY UNDERSTAND THE REQUIREMENTS NECESSARY TO MANUFACTURE LANDING GEAR COMPONENTS. ANY QUESTIONS CAN BE FORWARDED TO THIS OFFICE OO-ALC/LILE.</p> <p>17. DRILLING, REAMING AND HONING TO MEET DRAWING SPECIFICATIONS, USING BEST SHOP PROCEDURES AND THE FOLLOWING NOTES IN LIEU OF STP51-410.</p> <p>A. HIGH SPEED STEEL (HSS) DRILLS SHALL BE USED TO DRILL CORROSION RESISTANT STEELS.</p> <p>B. HSS REAMS WILL BE USED FOR ROUGH REAMING AND FINAL REAMING OF STEELS HEAT TREATED BELOW 200 KSI. CARBIDE OR PREMIUM GRADE HI-SPEED STEEL TIPPED REAMERS WILL BE USED FOR ROUGH REAMING OF STEELS HEAT TREATED ABOVE 200 KSI.</p> <p>C. HONING STONES SHALL BE OF 150 TO 500 ALUMINUM OXIDE GRIT WITH A MEDIUM-HARD BOND AND PREFERABLY A MULTI-HEAD STONE.</p> <p>D. DRILLING SHALL NEVER BE USED AS A FINAL MACHINING OPERATION. A MINIMUM OF 0.015 INCH ON DIAMETER SHALL BE LEFT FOR FINAL REAMING. HOLES SHALL BE FINISHED BY REAMING OR BORING. WHEN JIGS, FIXTURES OR BUSHINGS ARE NOT USED FOR DRILLING HOLES LARGER THAN 1/4 INCH, THE HOLES WILL BE PILOTED WITH A CENTER DRILL. CHEMICAL, ELECTRICAL OR ELECTROCHEMICAL HOLE PRODUCING METHODS SHALL NOT BE USED AS A FINAL SURFACE PRODUCING METHOD WITHOUT PRIOR APPROVAL FROM OO-ALC/LILEC.</p> <p>E. ROUGH REAMING, THE REAMER LENGTH SHALL BE AS SHORT AS CONSISTENT WITH REQUIRED PENETRATION. FINAL REAMING, THE DIAMETRAL CUT SHALL PRODUCE A HOLE THAT MEETS THE REQUIREMENTS OF THE ENGINEERING DRAWING.</p> <p>F. HONING SHALL BE USED AS A FINAL OPERATION WHERE A SURFACE FINISH BETTER THAN 125 ROUGHNESS HEIGHT RATIO IS REQUIRED AND CANNOT BE PRODUCED BY OTHER MEANS.</p> <p>G. CARBIDE DRILLS CAN BE OPERATED AT HIGHER SPEEDS THAN HSS DRILLS, BUT MUST BE USED WITH CAUTION. THEY MUST NOT BE USED IN A DULL OR CHIPPED CONDITION.</p>		
PREPARED BY CAROL HYER	SYMBOL LGMPM	DATE 28 May 02